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Wang, L.S., J.M. Alford, Y. Chai, M. Diener, J. Zhang, S.M. McClure, T. Guo, G.E. Scuseria and R.E. Smalley, The electronic structure of $Ca@C_{60}$ 207 (1993) 354
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Watanabe, N., H. Shiromaru, Y. Negishi, Y. Achiba, N. Kobayashi and Y. Kaneko, Reactions of scandium–carbon binary cluster ions C_nSc^+ ($n=2$–6) with O_2 molecules in an rf ion trap 207 (1993) 493
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Yang, H.-X., K.S. Shin and W. Gardiner, Rate coefficients for $O+H_2 \rightarrow OH+H$ and $O+D_2 \rightarrow OD+D$ by kinetic laser absorption spectroscopy in shock waves 207 (1993) 69
Yartsev, A., Y. Nagasawa, A. Douhal and K. Yoshihara, Solvent and nuclear dynamics in ultrafast intermolecular electron transfer in a diffusionless, weakly polar system 207 (1993) 546
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